BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I : SUPPLY PORTION

SL No	Particulars	Unit	Total Qty	Material code
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	2	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	10	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	10	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	22	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	33	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	16	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	9.16	284108
8	Supply & Providing of Spiral Earth Electrode	No	16	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	2	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	6	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	2	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	5	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	2	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	2	278916
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	4	613050
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	4	278911

17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	4	CDS materials for General works
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	4	321438
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	12	281674+600095+607054, CDS 60
20	Supply & providing of GI wire 8SWG	kg	40	281008
21	Supply & providing of Guy wire 7/10SWG	kg	80	281110
22	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	4	303202, CDS 60
23	Supply & providing of LT Protection kit	No	4	301107
24	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		4	
	i) Al Lead Wire - 95 Sqmm	Mtr	160	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	16	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	16	285508, CDS 60
	iv) Spacer for DTC Wiring	No	32	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	8	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	4	CDS 39
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	4	302122
26	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	4	613050
27	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	4	278911
28	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	8	821900
29	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	6	200004
30	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	8	280014, CDS materials for General works
31	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	4	280012, CDS materials for General works
32	1.1 kV Pin Insulator with GI Pin	No	30	283053, CDS 5
33	No. 8 Strain Insulator	No	20	283158

34	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	4	CDS materials for General works
35	Weasel ACSR Conductor	KM	6	CDS 69
36	Spiral Earth Electrode	No	4	281683
37	Guy concreting with Boulders, Mud and Sand	No	4	0
38	Anti Climbing Device (12 Mtr GI Barbed Wire) Lumpsum	Kg	40	278911

PART-II: ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	2
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	10
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	10
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	16
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	9.16
6	Supply & Providing of Spiral Earth Electrode	No	16
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	2
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	6
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	2
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	5
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	2
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	2
13	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	4
14	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	4

15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	4
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	4
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	12
18	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	4
19	Supply & providing of LT Protection kit	No	4
20	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		4
	i) Al Lead Wire - 95 Sqmm	Mtr	160
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	16
	iii) PG Clamp - Rabbit to 95 Sqmm	No	16
	iv) Spacer for DTC Wiring	No	32
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	8
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	4
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	4
26	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	4
27	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	4
28	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	6
29	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	8
30	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	4
31	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	4
32	Weasel ACSR Conductor	KM	6
33	Spiral Earth Electrode	No	4
34	Guy concreting with Boulders, Mud and Sand	No	4
35	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	0

36	AntiClimbing Device (12 Mtr GI Barbed Wire) Lumpsum	Kg	40